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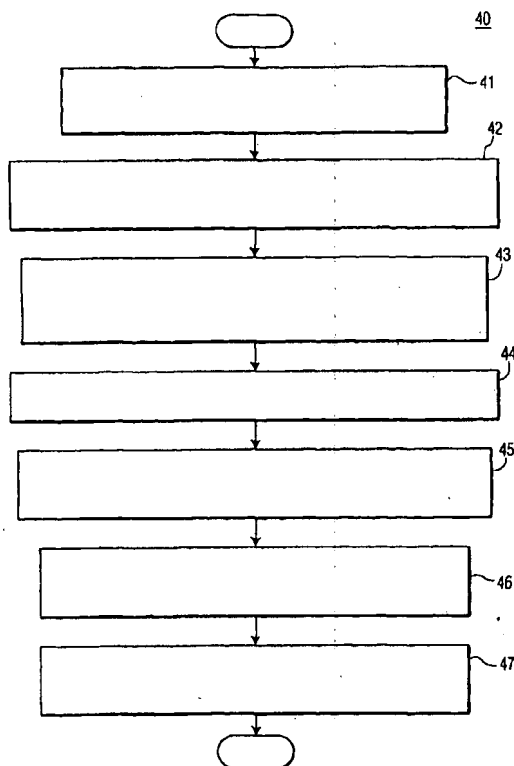
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[Continued on next page]

(54) Title: **CLINICAL DECISION SUPPORT SYSTEM FOR GUIDELINE SELECTION AND KNOWLEDGE/LOCATION INDICATION WITH THE GUIDELINE**



(57) Abstract: A clinical decision support system (30) displays a patient treatment guideline (20) for a given patient in response to a query from a medical practitioner along with an indicator (21) as to what state in the patient treatment guideline (20) the current patient is. According to one aspect of the present invention, an exemplary embodiment of a method (40) for interacting with a medical record of a patient includes: entering a patient identification (43) into a user interface (33) along with a care provider identification; selecting a patient treatment guideline (45) based on the entered information; and displaying the patient treatment guideline (46) on the user interface (33) along with an indicator (21) identifying a current point in the patient treatment guideline (20). An exemplary embodiment of an apparatus (30) for interacting with a medical record of a patient includes storage (32), a user interface (33) and a processor (31). The storage (32) stores one or more patient treatment guidelines (20). The user interface (33) accepts a command from a user identifying a patient and context information and displays a selected patient treatment guideline (20) from among the one or more patient treatment guidelines (20). The processor (31) searches the storage (32) for the selected patient guideline (20) that matches the identified patient and the context information.

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BOXWALA A A ET AL: "Architecture for a multipurpose guideline execution engine." PROCEEDINGS / AMIA ... ANNUAL SYMPOSIUM. AMIA SYMPOSIUM. 1999, 1999, pages 701-705, XP002342375 ISSN: 1531-605X page 703, left-hand column, line 22 - page 704, left-hand column, last line ----- -/--	1-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DONGWEN WANG ET AL: "GLEE - A model-driven execution system for computer-based implementation of clinical practice guidelines"</p> <p>AMIA 2002 SYMPOSIUM. BIO MEDICAL INFORMATICS: ONE DISCIPLINE. ANNUAL SYMPOSIUM OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION. PROCEEDINGS AMERICAN MEDICAL INFORMATICS ASSOC BETHESDA, MD, USA, 2002, pages 855-859, XP002342376</p> <p>page 855, right-hand column, line 19 - page 858, right-hand column, last line</p>	1-20
X	<p>RAM P ET AL: "Executing Clinical Practice Guidelines using the SAGE Execution Engine"</p> <p>STANFORD MEDICAL INFORMATICS REPORT NUMBER: SMI-2003-0971, 'Online!'</p> <p>28 November 2003 (2003-11-28), pages 1-6, XP002342377</p> <p>Retrieved from the Internet: URL: http://web.archive.org/web/20031128065025/www-smi.stanford.edu/pubs/SMI_Reports/SMI-2003-0971.pdf</p> <p>'retrieved on 2005-08-26!'</p> <p>page 1 - page 5</p>	1-20
A	<p>US 5 850 221 A (MACRAE ET AL)</p> <p>15 December 1998 (1998-12-15)</p> <p>column 5, line 45 - column 6, line 41 column 7, line 43 - column 8, line 58 column 17, line 7 - column 20, line 57</p>	1-20
A	<p>US 2003/227386 A1 (PULKKINEN OTTO ET AL)</p> <p>11 December 2003 (2003-12-11)</p> <p>paragraph '0006! paragraph '0009! - paragraph '0010! paragraph '0015! paragraph '0033! - paragraph '0034! paragraph '0038! - paragraph '0039! paragraph '0043! - paragraph '0049! paragraph '0056! - paragraph '0058!</p>	14, 16

INTERNATIONAL SEARCH REPORT

Information on patent family members

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